

Informatics Teaching Festival 2021: Sharing experience and planning for online and hybrid teaching

The Informatics Teaching Festival is back for a second consecutive year.

Join us for the opportunity to:

- hear interesting presentations around lessons learned in the past year and good practice in online/hybrid teaching from colleagues and inspiring speakers from other schools
- listen to the feedback provided by student representatives regarding their experience with studying in an online/hybrid context
- listen to the feedback provided by teaching support and administrative staff as to their experience with teaching and administration this past year
- learn about new approaches to teaching and educational software
- share your own experience with teaching delivery, student support and course administration during workshops and informal GatherTown meetings
- reflect and come up with ideas together for improving our delivery of online and hybrid teaching, both as a school and in our different courses.

If you'd like to attend any of the following sessions, and are not a member of the School of Informatics, please [register your interest here](#), and a Collaborate link will be emailed to you in advance of the session(s).

Schedule

Topic and links to recordings	Date/Time	Resources
Opening/Welcome	Monday 7 June, 10-10.30am	Björn Franke
Keynote: Experience with online/hybrid teaching in 2 other schools	Monday 7 June, 10.30-11.30am	Charlotte Desvages Brian Rabern
Coffee break & GatherTown meet and greet	Monday 7 June, 11.30am-12pm	n/a
Student experience with online/hybrid teaching in 2020-21; Suggestions for the future	Monday 7 June, 12-1pm	n/a
Personal Tutoring and Student Support: Sharing best practice and providing views on upcoming changes	Monday 7 June, 2-3pm	n/a
Lectures in an online/hybrid context	Tuesday 8 June, 10-11.15am	Iain Murray Mary Cryan Fiona McNeill
Coffee break & GatherTown meet and greet	Tuesday 8 June, 11.15-11.45am	n/a
Teaching support staff experience with online/hybrid teaching in 2020-21; Suggestions for the future	Tuesday 8 June, 11.45am-12.45pm	n/a

<u>Practical sessions (tutorials, labs, workshops, etc.) in an online/hybrid context</u>	Wednesday 9 June, 10-11.15am	<u>Fiona McNeill</u> <u>Pawel Orzechowski</u> <u>Tim Drysdale</u> <u>Sharon Goldwater</u>
Coffee break & GatherTown meet and greet	Wednesday 9 June, 11.15-11.45am	n/a
<u>Case study: practical sessions in IRR and IPP</u>	Wednesday 9 June, 11.45am-12.45pm	<u>IRR/IPP</u>
<u>Case study: Teaching Ethics in Computing</u>	Wednesday 9 June, 3-4pm	<u>David Sterratt</u> email James for Shannon's paper
Assignments in an online/hybrid context	Thursday 10 June, 10-11.15am	<u>Padlet</u>
Coffee break & GatherTown meet and greet	Thursday 10 June, 11.15-11.45am	n/a
Exams in an online/hybrid teaching context	Thursday 10 June, 11.45am-12.45pm	<u>Padlet</u>
<u>Learn Foundations: UX (Emma Horrell)</u>	Thursday 10 June, 2-3pm	<u>Emma Horrell</u>
<u>Equality and Inclusion</u> (Decolonizing the curriculum and Congressive Teaching methods)	Friday 11 June, 10-11.15am	<u>Decolonizing the curriculum</u>
Coffee break & GatherTown meet and greet	Friday 11 June, 11.15-11.45am	n/a
<u>Final reflection, Informatics Awards Ceremony</u>	Friday 11 June, 12-1pm	will be uploaded after the session

How to record and view your iPad screen on desktop using Reflector – Guide, Advantages, Disadvantages and Alternative

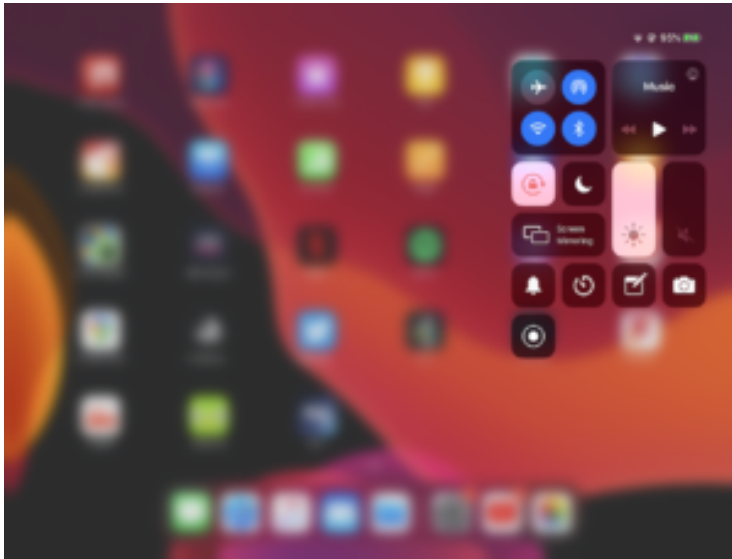
This guide was written using macOS and an iPad. The Reflector software is available on Windows. Reflector can support any device using AirPlay, Google Cast or Miracast.

How to use record your iPad screen wirelessly on desktop using reflector:

1. Download and install the app [here](#).
2. Click the Reflector app in the menu bar to see devices connected.



3. On the iPad, swiped down from the top right of the screen to access the control centre. Tap Screen Mirroring and select the desktop device you want to reflect to.



4. On the iPad image on the desktop, click the cog on the top left to choose a frame for the image and adjust the scale, device rotation and choose whether the mobile screen image floats on top.

5. Click the menu bar icon for Reflector, click the camera or microphone icon to choose to enable webcam and audio recording. Click Record all to begin the recording.

6. Click the red record button again on the iPad stream image to end the recording. Once the recording is finished you can give the recording a name and choose where to save it.

Advantages:

- Reflector supports iOS devices using Airplay and Android devices using Google Cast.
- Reflector allows you to reflect multiple devices to your desktop at once, allowing a simultaneous recording of both.
- Ability to reflect devices wirelessly by using the same network is convenient and simple to set up.
- Allows you to record screen of mobile device and webcam of desktop simultaneously.
- Allows you to record screen of mobile device while hiding it on the desktop screen.
- Places mobile device video feed on desktop screen. This means you can use other software to do a screen recording that will capture the desktop and mobile device simultaneously in one video file.

- Allows you to use frames for the device's feed e.g. you can make an iPad video stream look like an actual iPad device.
- Changeable video quality settings, as well as different frame rate recording options to help decrease video file size.
- Reflector teacher allows use with reflector director, reflector student and is preconfigured for classrooms.

Disadvantages:

- Due to the connection to the mobile device being wireless, there is potential for lag in the recording if the network is weak.
- The trial version of the app has a significant watermark on recordings.
- Can't screen record desktop and mobile device at same time on its own.
- Difficult to change the scale of the image on the screen.
- If mobile device recording is separate from other components of lecture recording, the 2 videos would need to be synced up after recording.

Alternative – How to record the iPad using QuickTime Player (wired connection):

1. Plug your iPad into your Mac and launch QuickTime Player, built into macOS.
 2. On the app menu bar, click File>New Movie Recording.
 3. On the video control panel, click the downward arrow beside the record button and select your iPad as the video and audio source.
 4. Click the record button. When you are done recording click the stop button.
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Kaltura Capture Video Tutorial – Allowing End User To Control View Of Multiple Video Streams

1. Open the KalturaCapture App.
2. Check the screen feed, camera feed and audio feeds are on.
3. Hit Record.
4. When you want to finish recording, you can pause or stop the recording.
5. Give the video a title, description and tags (optional) and click upload.
6. When the video is uploaded, a link to the video on media.ed.ac.uk will appear. Click this link to check your video.\
7. On Media Hopper Create, if your video had a screen and camera stream, both will be automatically controllable by the end user allowing for full screen of either of the videos and multiple split screen views.

Informatics Teaching Festival 2020

The Informatics Teaching Festival is a series of events aimed at addressing some of the issues raised by moving much of our learning and teaching online in September 2020.

The sessions will run in Collaborate and the link is the same – no matter which event(s) you wish to attend. An email will be sent to all Informatics staff nearer the time with the Guest link.

Sessions will be recorded and links to the recordings will be posted here.

Schedule

Topic and links to recordings	Speaker	Moderator	Date/Time	Slides
Opening/Welcome	Stuart Anderson	Judy Robertson	Monday 1 June. 10am.	Slides
Perspectives on online teaching from the Open University	Derek Jones	Judy Robertson	Tuesday 2 June. 10am.	Slides
Learning Design – The ABC toolkit	Fiona Hale	Paul Patras	Tuesday 2 June. 4pm.	Slides
Teaching for inclusion – what can we all do to support women students?	Judy Robertson and Fiona McNeill	Judy Robertson	Wednesday 3 June. 10am.	Slides
Tools showcase – colleagues demonstrate their favourite teaching tools Part II	Aurora Constantin	Alex Burford	Wednesday 3 June. 4pm.	

“Teaching Hour: How do I encourage community / peer interaction online?”	Judy Robertson and Michael Gallagher	Judy Robertson	Thursday 4 June. 11am.	Graphic
Ethics and social responsibility in Informatics teaching	Shannon Valor, James Garforth	Stuart Anderson	Friday 5 June. 10am.	Slides
Creating Accessible Materials Top Five Tips	Elizabeth McCann on visual impairments. Audrey Cameron on hearing impairments.	Pre-recorded	Pre-recorded	
Setting up library resources online	Academic Librarian	Pre-recorded	Pre-recorded	

Teaching Hour Topics and Recordings

Below is a list of topics being covered in Teaching Hour events throughout May and early June 2020. Judy Robertson will lead, with the help of learning technologists and invited

guests. An email was sent to all teaching staff on 6 May with links to the rooms in Collaborate, where they will be held.

Events will be recorded and the links to the recordings will be uploaded here. Please note: you will need to be logged in to Media Hopper Create (using your University / EASE login) to access the recording.

Teaching Hour Topic	Link to recording	Additional links
"How do I teach large groups online?" (07-05-2020)	Recording	
"How do I assess online?" (14-05-2020)	Recording	
"How do I do tutorials online?" (21-05-2020)	Recording	
"How do I run labs online?" (28-05-2020)	Recording	PDF
"How do I encourage community / peer interaction online?" (04-06-2020)	Recording	
"How to teach Maths online" (11-06-2020)	Recording	PDF
"Designing out plagiarism" (26-06-2020)	Recording	PDF

Teaching and assessing online

This is a reminder of the tools and services available to you in the event of disruption to campus based activities, such as the current COVID-19 epidemic.

If your **students** can't access campus

- If students can't come to lectures, they can access the lecture recordings via the Lecture Recordings link in [Learn](#). Please note: this is only for those lectures delivered in a [centrally supported room](#).
- Any room which supports lecture recording, also supports Live Streaming. Please [get in touch](#) if you would like to enable live streaming of your lectures.
- For those courses requiring to use submit, students can download and install [Virtual DICE](#) or remote access to normal DICE machines via [XRDP](#) or SSH. Please log a call with [computing help](#) for further information.
- For those courses which don't require to use submit, remember that Learn has an [assignment tool](#) which will more than likely meet your needs. The Informatics Learning Technology Service can help with this – please [get in touch](#).

If **you** can't access campus

- The same product used for lecture recording at scale across campus (Echo360) has an application users can download from the website. Please note: the application is only available for Mac and PC. If you require a loan device, please [get in touch](#).
- The Echo360 application – called Universal Capture – allows you to capture audio, screen + video. You can then publish direct to your course via the recording interface. This means students will access your recording in the same place as recordings of campus based lectures. See the bottom of the page for links to

video and written guidance.

- The Echo360 player (the interface students use to watch lecture recordings) also has a nice feature where they can ask questions at specific points in the presentation. The lecturer can then review these and answer questions in the appropriate context. See [Media Hopper Replay: Q&A discussions, flagging confusing content, and bookmarking](#) for further guidance.
- You may want to deliver smaller, tutorial sized classes via [Blackboard Collaborate](#). Collaborate sessions can be scheduled via MyEd or Learn. All sessions run in the browser (Chrome is recommended) and so there's no need to worry about user devices.

Further Help

In addition to local help via the Informatics Learning Technology service, Blackboard are running sessions on **Tuesday 10 March** called "Preparing to scale online teaching and learning during Coronavirus". This webinar is for anyone involved in administering or delivering teaching and learning, including but not limited to system administrators, eLearning technologists, IT managers, Heads of Teaching and Learning, faculty and academic staff. Register here: <http://bit.ly/COVID-19EURUG>

Media Hopper Replay's universal capture tool – video instructions

Media Hopper Replay's Universal Capture tool – Mac

http://www.docs.is.ed.ac.uk/skills/documents/Lecture%20Recording/Guides/3873_v2.pdf

Media Hopper Replay's Universal Capture tool – Windows

http://www.docs.is.ed.ac.uk/skills/documents/Lecture%20Recording/Guides/3872_v2.pdf

Media Hopper Replay: Q&A Discussions, flagging confusing content and bookmarking

<http://www.docs.is.ed.ac.uk/skills/documents/Lecture%20Recording/Guides/3887.pdf>

An Instructor's guide to Media Hopper Replay: Viewing course and student analytics

https://media.ed.ac.uk/media/An+Instructor%27s+guide+to+Media+Hopper+ReplayA+Viewing+course+and+student+analytics/1_rs96etgi